

ABSTRACT OF THE DISCLOSURE

A reduced noise ultrasound piezo film array on a printed circuit board. A printed circuit board carries a piezo array on one end and a standard coupling at the other end. The board is made in four layers with the two external layers being ground planes to prevent noise pickup. The two internal layers carry printed circuit lines between various elements of the array and terminals of the connector. The various arrays are sequentially scanned. All of the lines except the one selected are connected to ground to prevent crosstalk and noise pickup.

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